

# NANOMECHANICAL & NANOTRIBOLOGICAL TESTING

## ONE DAY OFFLINE SCIENTIFIC WORKSHOP



### Welcome Address

Dr. Madan Mohan Avulapati  
Head of the Department, Mechanical Engineering  
IIT Tirupati



### Opening Remark

Prof. K. Satyanarayana, Director, IIT Tirupati



### Keynote Talk: Prof. Satish V. Kailas, IISc Bangalore

Title: Why indentation and tribology and how to get "good" and useful data



### Keynote Talk: Prof. Pijush Ghosh, IITM

Title: Can we indent on water?



### Keynote Talk: Prof. Praveen Kumar, IISc Bangalore

Title: Estimation of Orientation, Composition and Temperature Effects on Modulus and Hardness of Ni-x-Al Alloys using Nanoindentation



### Keynote Talk: Prof. Kiran Mangalampalli, SRM Institute of Science & Technology

Title: Understanding Nanoscale Plasticity by Quantitative in-situ Conductive Nanoindentation



### Industry Talk: Mr. Pratyank Rastogi, Industron India

Title: High-Speed Nanoindentation & Property Mapping

10:30 AM TO 1:30 PM



Friday

3rd June 2022



TC1 Classroom  
Complex, IIT  
Tirupati

(Transit Campus)

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### Organizers:

Dr. Ajay Kumar

Indian Institute of Technology,  
Tirupati, India

Pratyank Rastogi

Industron Nanotechnology Pvt Ltd

